



## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| Applicant's or agent's file reference  |  | of Transmittal of International Search Report (220) as well as, where applicable, item 5 below. |
|--|--|---|
| PG3693/PCT International application No.   | International filing date (day/month/year)   | (Earliest) Priority Date (day/month/year)   |
|  |  |   |
| PCT/EP 00/03515  | 19/04/2000   | 24/04/1999  |
| Applicant  |  |   |
| OLAVO ODOUD LIMITED  |  |   |
| GLAXO GROUP LIMITED  |  |   |
|  |  |   |
| This International Search Report has bee according to Article 18. A copy is being to | n prepared by this International Searching Au  | thority and is transmitted to the applicant   |
| asserting to vitted to vit sopy to boing th  |  |   |
| This International Search Report consists  | of a total of sheets.  |   |
| It is also accompanied by  | a copy of each prior art document cited in thi   | is report.  |
|  |  |   |
| 1. Basis of the report   | international search was carried out on the b  | acia of the international application in the  |
|  | less otherwise indicated under this item.  | asis of the international application in the  |
| the international search v<br>Authority (Rule 23.1(b)).                              | vas carried out on the basis of a translation of   | the international application furnished to this   |
| 1 '''  | nd/or amino acid sequence disclosed in the   | international application, the international search   |
| was carried out on the basis of th   | e sequence listing:  | ,   |
| 1 📙 .  | onal application in written form.  |   |
|  | ernational application in computer readable fo   | ·m.   |
|  | o this Authority in written form.  |   |
|  | o this Authority in computer readble form.<br>bsequently furnished written sequence listing        | does not go beyond the disclosure in the  |
|  | as filed has been furnished.   | acconst go boyona and alastocare in the   |
| the statement that the inf furnished   | ormation recorded in computer readable form  | is identical to the written sequence listing has been   |
| 2. X Certain claims were for   | ınd unsearchable (See Box I).  |   |
| 3. Unity of invention is lac   | cking (see Box II).  |   |
|  |  |   |
| 4. With regard to the title,   | to a thing of the contract of  |   |
|  | ubmitted by the applicant.   |   |
| the text has been established  | shed by this Authority to read as follows:   |   |
|  |  |   |
|  |  | •   |
| 5. With regard to the abstract,  |  |   |
| the text is approved as s  | ubmitted by the applicant.   |   |
|  | shed, according to Rule 38.2(b), by this Autho<br>e date of mailing of this international search r | ority as it appears in Box III. The applicant may, eport, submit comments to this Authority.    |
| 6. The figure of the <b>drawings</b> to be put                                       | olished with the abstract is Figure No.  | 1a  |
| as suggested by the app  | licant.  | . None of the figures.  |
| because the applicant fa   | iled to suggest a figure.  |   |
| because this figure bette  | r characterizes the invention.   |   |



In ational application No.

PCT/EP 00/03515

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

|  |  |  |   |   |  |  | , |   |   |  |
|--|--|--|---|---|--|--|---|---|---|--|
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   | • |   |  |
|  |  |  | • |   |  |  |   |   |   |  |
|  |  |  |   | ٠ |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   | - |  |
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   |   |  |
|  |  |  |   |   |  |  |   |   |   |  |



وسط

| Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)   |
|---|
| This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  |
| Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:   |
|   |
| 2. X Claims Nos.: 88-89 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: |
| Rule 6.2 (a) PCT - References to other parts of the international application   |
| 3. Claims Nos.:   |
| because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).   |
| Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)   |
| This International Searching Authority found multiple inventions in this international application, as follows:   |
|   |
|   |
|   |
| 1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.   |
| 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.   |
| 3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:                               |
|   |
|   |
| 4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:                   |
| ·   |
| Remark on Protest The additional search fees were accompanied by the applicant's protest.   |
| No protest accompanied the payment of additional search fees.   |

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B65D75/20 A61M15/00

A61K9/70

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 $\begin{array}{ccc} \mbox{Minimum documentation searched} & \mbox{(classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{B65D} & \mbox{A61M} & \mbox{A61K} \\ \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal

| US 3 698 549 A (GLASSMAN JACOB<br>17 October 1972 (1972-10-17)<br>claims; figures  EP 0 101 298 A (JOHNSON & JOHN<br>INC) 22 February 1984 (1984-02)  | ISON PROD   | 1,10,11,<br>21-28,<br>32,34,<br>42-87<br>1,4-7,<br>9-12,<br>21-28,<br>32,34,<br>42-87  |  |
|---|---|--|--|
| EP 0 101 298 A (JOHNSON & JOHN INC) 22 February 1984 (1984-02   |   | 9-12,<br>21-28,<br>32,34,  |  |
| INC) 22 February 1984 (1984-02  |   | 9-12,<br>21-28,<br>32,34,  |  |
| claims; figures   |   | 1 42-0/  |  |
|   |   |  |  |
| WO 88 10219 A (MOELNLYCKE AB)<br>29 December 1988 (1988-12-29)  |   | 1,21-28,<br>32,34,<br>42-87  |  |
| claims; figures   |   | 12 0,  |  |
|   | -/  |  |  |
| r documents are listed in the continuation of box C.  | χ Patent family members are list  | ed in annex.   |  |
| gories of cited documents:  I defining the general state of the art which is not ed to be of particular relevance cument but published on or after the international e which may throw doubts on priority claim(s) or cited to establish the publication date of another or other special reason (as specified) treferring to an oral disclosure, use, exhibition or cans | "T" later document published after the in or priority date and not in conflict worked to understand the principle or invention.  "X" document of particular relevance; the cannot be considered novel or can involve an inventive step when the "Y" document of particular relevance; the cannot be considered to involve an document is combined with one or ments, such combination being ob in the art.  "&" document member of the same pate  | rith the application but to theory underlying the sectaimed invention not be considered to document is taken alone the claimed invention inventive step when the more other such docuvious to a person skilled |  |
| tual completion of the international search   | Date of mailing of the international search report  |  |  |
| August 2000   | 2 5, 08, 00   |  |  |
| illing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31-70) 340-2040 Tx 31 651 epo nl.  | Authorized officer:   | 24 1   |  |
| to the trust  | claims; figures  documents are listed in the continuation of box C.  pories of cited documents:  defining the general state of the art which is not ed to be of particular relevance current but published on or after the international end to establish the publication date of another or other special reason (as specified)  referring to an oral disclosure, use, exhibition or ans published prior to the international filling date but in the priority date claimed  fual completion of the international search  August 2000  liling address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2 | claims; figures  -/  documents are listed in the continuation of box C.    Variable   Patent family members are list   |  |



Intern I Application No
PCT/EP 00/03515

| C.(Continu | ation) DOCUMENTS CONSIDERED TO BE RELEVANT  |  |
|------------|---|--|
| Category ° | Citation of document, with indication, where appropriate, of the relevant passages        | Relevant to claim No.                                  |
| X<br>A     | FR 850 597 A (PAD-Y-WAX COMPANY) 20 December 1939 (1939-12-20)  claims; figures           | 1,4,14,<br>15,22,<br>24,<br>26-28,<br>32,42-87<br>2,25 |
| (          | US 3 724 651 A (LINK M)<br>3 April 1973 (1973-04-03)                                      | 1,4,<br>22-28,<br>34-87                                |
| ١          | claims; figures   | 10,11  |
| 1          | US 2 968 396 A (PRATT)<br>17 January 1961 (1961-01-17)                                    | 1-4,<br>9-12,22,<br>24-28,<br>32,34-87                 |
|            | claims; figures   |  |
| ',A        | US 6 024 732 A (SAMUELSSON ANN)<br>15 February 2000 (2000-02-15)                          | 1,4-8,<br>10,<br>21-28,<br>32,34,<br>42-87             |
|            | claims; figures   |  |
|            | US 5 077 104 A (HUNT) 21 December 1989 (1989-12-21) abstract; figures                     | 1,5-8,<br>35,36,38                                     |
| 1          | US 5 590 645 A (DAVIES MICHAEL BIRSHA ET AL) 7 January 1997 (1997-01-07) abstract; claims | 1,29-31,<br>35,39-41                                   |
|            | +   |  |
|            |   |  |
|            |   | ·  |
|            |   |  |
|            |   |  |
|            |   |  |
|            |   |  |

## INTERNATIONAL SEARCH REPORT

Information patent family members

Internal Application No
PCT/EP 00/03515

|  |   |                    | PC1/EP   | 00/03515   |
|--|---|--------------------|--|--|
| Patent document<br>cited in search repor | t | Publication date   | Patent family member(s)  | Publication date   |
| US 3698549                               | Α | 17-10-1972         | NONE   |  |
| EP 0101298                               | A | 22-02-1984         | AT 31873 T AU 562018 B AU 1781483 A CA 1209870 A DE 3375282 D DK 364883 A FI 832878 A IE 54385 B JP 1650384 C JP 3010333 B JP 59049762 A ZA 8305875 A  | 15-01-1988<br>28-05-1987<br>16-02-1984<br>19-08-1986<br>18-02-1988<br>12-02-1984<br>12-02-1984<br>13-09-1989<br>30-03-1992<br>13-02-1991<br>22-03-1984<br>27-03-1985   |
| WO 8810219                               | A | 29-12-1988         | SE 464020 B<br>AU 1960388 A<br>DK 652489 A<br>EP 0364486 A<br>NO 895148 A<br>SE 8702582 A  | 25-02-1991<br>19-01-1989<br>21-12-1989<br>25-04-1990<br>20-12-1989<br>23-12-1988   |
| FR 850597                                | Α | <b>20</b> -12-1939 | NONE   |  |
| US 3724651                               | Α | 03-04-1973         | NONE   |  |
| US 2968396                               | A | 17-01-1961         | NONE   |  |
| US 6024732                               | Α | 15-02-2000         | SE 508253 C<br>AU 7150496 A<br>EP 0959835 A<br>GB 2305903 A,B<br>JP 11512631 T<br>SE 9503401 A<br>WO 9712572 A   | 21-09-1998<br>28-04-1997<br>01-12-1999<br>23-04-1997<br>02-11-1999<br>03-04-1997<br>10-04-1997   |
| US 5077104                               | A | 31-12-1991         | AT 166029 T AU 639073 B AU 7167491 A CA 2032446 A DE 69032313 D DE 69032313 T EP 0506860 A ES 2114885 T FI 922811 A KR 153745 B NO 300880 B NZ 236487 A PT 96221 A,B WO 9109731 A US 5256956 A US 5268209 A ZA 9010132 A | 15-05-1998<br>15-07-1993<br>24-07-1991<br>22-06-1991<br>18-06-1998<br>03-09-1998<br>07-10-1992<br>16-06-1998<br>17-06-1992<br>16-11-1998<br>11-08-1997<br>23-12-1992<br>30-09-1991<br>11-07-1991<br>26-10-1993<br>07-12-1993<br>30-10-1991 |
| US 5590645                               | Α | <b>07-</b> 01-1997 | US 6032666 A AT 401007 B AT 43791 A AU 675825 B  | 07-03-2000<br>28-05-1996<br>15-10-1995<br>20-02-1997   |

## INTERNATIONAL SEARCH REPORT

Information patent family members

Internation No
PCT 27 00/03515

|    |                                      |                  |      |                           | 00/03515            |
|----|--------------------------------------|------------------|------|---------------------------|---------------------|
|    | atent document<br>d in search report | Publication date |      | atent family<br>member(s) | Publication<br>date |
| US | 5590645 A                            |                  | AU   | 5926794 A                 | 16-06-1994          |
| 00 | 3030010 11                           |                  | AU   | 645056 B                  | 06-01-1994          |
|    |                                      |                  | AU   | 7202591 A                 | 05-09-1991          |
|    |                                      |                  | BE   | 1003798 A                 | 16-06-1992          |
|    |                                      |                  | BR   | 9100843 A                 | 05-11-1991          |
|    |                                      |                  | CA   | 2037421 A                 | 03-09-1991          |
|    |                                      |                  |      |                           |                     |
|    |                                      |                  | CH   | 683319 A                  | 28-02-1994          |
|    |                                      |                  | CN   | 1054893 A,B               | 02-10-1991          |
| •  |                                      |                  | CN   | 1107687 A                 | 06-09-1995          |
|    |                                      |                  | CZ   | 283168 B                  | 14-01-1998          |
|    |                                      |                  | CZ   | 9601807 A                 | 16-12-1998          |
|    |                                      |                  | CY   | 2010 A                    | 20-02-1998          |
|    |                                      |                  | CY   | 2014 A                    | 20-02-1998          |
|    |                                      |                  | CZ   | 285501 B                  | 11-08-1999          |
|    |                                      |                  | DE   | 4106379 A                 | 05-09-1991          |
|    |                                      |                  | DK   | 37991 A                   | 03-09-1991          |
|    | •                                    |                  | ES   | 2031763 A                 | 16-12-1992          |
| •  |                                      |                  | FI   | 911037 A                  | 03-09-1991          |
|    |                                      |                  | FĪ   | 990115 A                  | 21-01-1999          |
|    |                                      |                  | FR   | 2659558 A                 | 20-09-1991          |
|    |                                      |                  | FR   | 2660550 A                 | 11-10-1991          |
|    |                                      |                  | GB   |                           | 25-09-1991          |
|    |                                      |                  |      | 2242134 A,B               |                     |
|    |                                      |                  | GB   | 2274273 A,B               | 20-07-1994          |
|    |                                      |                  | GR   | 91100096 A,B              | 30-06-1992          |
|    |                                      |                  | HK   | 18895 A                   | 17-02-1995          |
|    |                                      |                  | HK   | 19195 A                   | 17-02-1995          |
|    |                                      |                  | HR   | 940631 A                  | 31-08-1996          |
|    |                                      |                  | · IE | 64503 B                   | 09-08-1995          |
|    |                                      |                  | IL   | 97396 A                   | 31-12-1995          |
|    |                                      |                  | IT   | 1244655 B                 | 08-08-1994          |
|    |                                      |                  | JP   | 4220266 A                 | 11-08-1992          |
|    |                                      |                  | LU   | 87898 A                   | 16-11-1992          |
|    |                                      |                  | NL   | 9100381 A                 | 01-10-1991          |
|    |                                      |                  | NO   | 910836 A                  | 03-09-1991          |
|    |                                      |                  | NO   | 302929 B                  | 11-05-1998          |
|    |                                      |                  | NO   | 980033 A                  | 05-01-1998          |
|    |                                      |                  | NZ   | 237274 A                  | 27-02-1996          |
|    |                                      |                  | NZ   | 260140 A                  | 27-02-1996          |
|    |                                      |                  | PL   | 167736 B                  | 31-10-1995          |
|    | •                                    |                  |      |                           |                     |
|    |                                      |                  | PT   | 96920 A,B                 | 29-01-1993          |
|    |                                      |                  | SE   | 512934 C                  | 05-06-2000          |
|    |                                      |                  | SE   | 9100582 A                 | 03-09-1991          |
|    |                                      |                  | SG   | 169094 G                  | 28-04-1995          |
|    |                                      |                  | SI   | 9110367 A                 | 30-04-1995          |
|    |                                      |                  | RU   | 2075977 C                 | 27-03-1997          |